

ExxonMobil LLDPE LL 5001.09 Linear Low Density Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE

Material Notes:

Product Description: LL 5100.09 is a linear low density polyethylene resin designed to provide good processability and ease of blending. The granular form of LL 5100.09 makes for efficient blending with pigments, slip and antiblock additives. Availability: Latin America, North America and South America Additive: Antiblock: NoSlip: NoProcessing Aid: No Thermal Stabilizer: Yes Applications: Masterbatch Base Resin Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LLDPE-LL-500109-Linear-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	ExxonMobil method
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 190 °C	20 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50 @Time 15.0 sec	50 @Time 0.00417 hour	ASTM D2240
Tensile Strength at Break	7.58 MPa	1100 psi	ASTM D638
Tensile Strength, Yield	14.5 MPa	2100 psi	ASTM D638
Elongation at Break	60 %	60 %	ASTM D638
Flexural Modulus, 1% Secant	427 MPa	62000 psi	ASTM D638
Izod Impact, Notched	5.34 J/cm	10.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	<= 252 °C	<= 486 °F	Peak Melting Point; ExxonMobil method
Brittleness Temperature	<= -76.1 °C	<= -105 °F	ASTM D746

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